



# Introduction to Python Programming for Social Scientists

- Instructor:** Rebeka O. Szabó, PhD, Corvinus University of Budapest
- Date & Time:** Monday, December 02, 2024, 09.00 a.m. to 02.30 p.m. (s.t.)  
Monday, December 09, 2024, 09.00 a.m. to 02.30 p.m. (s.t.)
- Place:** Online via Zoom
- Registration:** To register, please send an email to [courses.bagss@uni-bamberg.de](mailto:courses.bagss@uni-bamberg.de) by November 5, 2024. Registration is mandatory. The number of participants is limited to 15.

## Short Outline

The first day of the workshop will cover Python basics. You will get an introduction of the Jupyter Notebook, essential modules, data types, operators, conditional statements, functions, loops, compound data types, and comprehensions used in Python. This session concludes with hands-on exercises. In the afternoon, you'll learn web scraping with practical exercises.

The second day will focus on data analysis in social sciences using pandas with the Titanic dataset, creating visualizations using Matplotlib and Seaborn, and a brief insight into advanced techniques like principal component analysis and regression methods.

After each day you can work on assignments, for which you can get detailed feedback by the trainer.

The workshop is mainly aimed at doctoral students. In case of any vacant places, it is open to anyone interested.

## Prerequisites

No prerequisites are required.



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## About the Trainer

Rebeka O. Szabó is an assistant professor at the Center for Collective Learning, Corvinus University of Budapest. She is the leader of the Organizational Dynamics Group. Rebeka holds a PhD in network science from the Central European University, and has a background in sociology. She has been researching organizational and team dynamics (in escape rooms). Rebeka's main scientific interest covers social networks, teams, organizations, and applied social psychology.